THE SEED

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NEWSLETTER FOR APPLE PEOPLE

DENVER APPLE PI

Apple Pi needs officers...
...think I'll run for Admiral!

denver apple pi Seed

P.O. BOX 17467
DENVER, COLORADO 80217

President .....Trent Hein
Vice President & Property .....
Secretary & Editor .....Randall Ansley
Treasurer .....Bob Hein
Board Member & Software Librarian .....
Board Member & Store Rep .....Tom Angelos
Board Member & Sales Officer .....Chris Saxon
BBS Officer .....Robert Racansky

MEMBERSHIP INFORMATION

APPLE PI is an Apple Computer Users Group - not affiliated with Apple Computer, Inc. - that provides many member benefits, some of which are:

MONTHLY MEETINGS - On the first Thursday of each month at 7:00 p.m. APPLE PI holds its general meeting at the Green Center, Colorado School of Mines Campus, Golden, Colorado. This meeting is a combination of an informational meeting, new product announcements, and a short business meeting. The members are given an opportunity to buy computer supplies a little above cost. Software products are given away as door prizes.

On the Sunday following the general meeting there is an informal meet which is usually held at the Clear Creek Office Park, 4251 Kipling, in Wheat Ridge. This meeting is from 10:00 a.m. until 3:00 p.m. and provides a more informal environment to seek or give advice to fellow members and get copies of programs from the APPLE PI Library. Both of these meetings are open to the general public but only members have access to the club library and products that are sold.

PROGRAM LIBRARY - APPLE PI currently has a library of 9,000 programs. All current disks are in 16 sector (3.3, Pascal, CP/M) format and are available to any member. APPLE PI Members can obtain copies from the library:

1) By coming to the monthly informal meeting (swap meet);
2) By written request to the club librarian (at any meeting or by mail);
3) By electronic mail on APPLE PI's bulletin board system:

DISK OF THE MONTH - Each month a collection of some of the best programs donated to APPLE PI during the preceding month are made available. The DOM can be purchased at any group meeting or by mail.

DUES - Current membership dues are **$18.00** per year, with a one-time application fee of **$10.00.** Checks should be made payable to DENVER APPLE PI.

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1/2 Page	$ 40.00
Full Page	$ 70.00

Apple Pi Needs you!!!

It is once again the time of year for Apple Pi to change officers. Most of the people doing the officer jobs for the last year have been doing some sort of Pi tasks for two, three, or more years. It is time to get some new blood into the organization. Here are the openings for the 1987-1988 term of office.

President- Duties include presiding over the general meetings and board meetings. Byalws prohibit president from holding more than one office.

Vice President- Presides at meetings in the absence of President. Is in charge of lining up guest speakers for the general meetings.

Secretary- In charge of membership list, and other club related data lists. Takes minutes at board meetings. Keeper of the seal and other similar duties.

Treasurer- Keeps track of the money. Monthly report for members via the club newsletter.

Board member at large- No assigned duties, however this person is known to help in other areas.

Club's Store Officer- Runs the club store, including the purchasing of merchandise, and sales at general and core meetings.

Editor- In charge of the Seed, the Denver Apple Pi newsletter. This is a monthly (most of the time) newsletter and the job includes gathering reports from officers, stories, Ads., and other items for the Seed. Paste-up and delivery to the printer and mailing.

Software Librarian- Keeps up the disk libraries (3...one and two back ups) and makes a Disk of the Month (DOM) each month for sale to the members. Brings the club computer to the general meeting for DOM presentation and to the core meet for making library copies.

Property Officer- Keeps track of Apple Pi equipment such as the computers, printers, and other hardware and is the contact person for rental halls and other places used by Denver Apple Pi.

Store Rep.- Keeps in contact with the local computer stores to keep them informed about Apple Pi and helps with club recruitment.

BBS Officer- Sysop for the Apple Pi BBS.

Only the first five officers are voted on by the membership. The other offices are confirmed by the board of directors. If you wish to help out with any office please see any Apple Pi officer or call the Apple Pi hotline 422-0005.

Johnny Appleseed

Dear John,

I have an Apple //e and I am thinking of upgrading it to a //gs when the upgrade is available. Will I get the new keyboard, with the upgrade, that has the 10 key pad like on the new //e?

All keyed up

Dear keyed up,

Sorry, no. The upgrade has a new motherboard and a new basepan because the motherboard is too big for the old basepan. If you want the 10 key pad you will have to buy the //gs, the new //e or a plug in 10 key pad.

John

Dear John,

I am new to BASIC programming and I need to know what is meant by the term window. I heard someone say that you can clear only part of the screen with the home command if you use a window. How can I do this?

I'll do windows

Dear I'll do,

The normal screen is 40 or 80 columns across and 24 lines up and down. This is called the default window. You can change the size of this window by changing some values in zero page (a place in memory that keeps track of some default values).

To change the screen window use:

POKE 32,x to set the left side of window
POKE 33,x to set the width of the window
POKE 34,x to set the top of the window
POKE 35,x to set the bottom of window

You can still type outside the window, as long as it is inside the default window, but home will not remove anything outside the window. Here is an example. If you have a heading that you want to stay on the screen when you use HOME then put that heading on line VTAB 1 and then POKE 34,2. This will bring down the top of your window and protect the top line from HOME. Play with all four POKEs and set them back to "0" for normal.

John

Dear John,

I don't own an Apple computer. I don't own any computer, but I do use them in school. Can I join Apple Pi or do I need to own an Apple first?

Computerless

Dear Computerless,

Apple Pi is open to everyone. If you have a computer or just the interest in Apple computers then please feel free to join us. You need not be a member of Denver Apple Pi to come to the meetings but you do need to join if you want to take advantage of the disk library, store items, or have full access to the BBS. We look forward to seeing you at the meetings.

John

Dear John,

What is a bit bucket?

???

Dear ???,

A bit buckret is not a real thing but rather a term used by machine language programmers. When you do addition and you end up with more a number larger than one digit you carry the remainder (remember that from the third grade?). When you are adding numbers and storing them in a computer's memory (in a byte) you can only go up as high as 255 in a eight bit byte. Computers count using Binary math, base 2, using only 1's and 0's. In Binary 255 would look like this:

1111 1111

If you try to add one to this it would look like this:

1 1111 1111

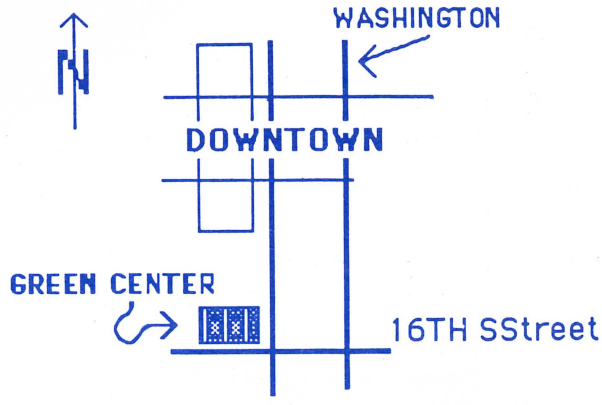
The one on the left side does not fit and you can't make the byte bigger so unless you program a way to deal with it, it will fall off the earth or we say it falls into the bit bucket.

John

Send your questions to:

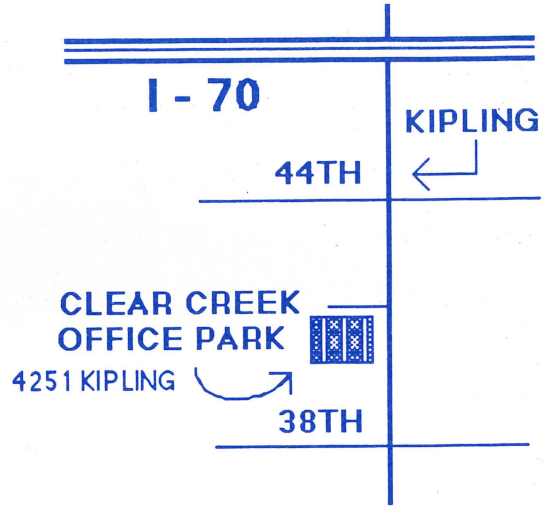
Johnny Appleseed
C/O Denver Apple Pi
P.O.Box 17467
Denver, CO 80217

GENERAL MEETING



COLO. SCHOOL OF MINES

CORE MEET



Catalog Program

The following program has been been written by Paul Wenco and donated to the Apple Pi library. For you hackers out there here is a listing for you to play with.

```
10  GOTO 170: REM BEGIN NORMAL PROGRAM EXECUTION
20  REM *** TYPE "RUN30" TO PRINT PROGRAM LISTING ***
30  PR# 1: REM OUTPUT TO PRINTER
40  PRINT  CHR$ (9)"77N": REM LINE WIDTH TO 77 CHARACTERS
50  PRINT  CHR$ (27)"E": REM EMPHASIZED MODE ON
60  PRINT  CHR$ (27)"N" CHR$ (6): REM SKIP PERF TO 6 LINES
70  LIST 110 - : REM LIST LINES 110 TO END
80  PRINT  CHR$ (12);: REM TOP OF FORM
90  PR# 0: END : REM RETURN OUTPUT TO SCREEN
100  REM
110  REM ******************************
120  REM ** "PRINT CATALOG" PROGRAM **
130  REM ******************************
140  REM
150  REM WRITTEN 03-03-87 BY PAUL A. WENCKO
160  REM
170  REM THIS PROGRAM WRITTEN FOR THE APPLE II+ COMPUTER WITH 2 DISK DRI
    VES AND THE EPSON MX SERIES PRINTER
180  GOTO 2000: REM BEGIN PROGRAM
200  REM *** "Y/N RESPONSE CHECK" SUBROUTINE ***
210  REM
220  VTAB VP: HTAB 9: PRINT "IS THIS CORRECT? (Y/N) ";
230  POKE  - 16368,0: GET R$: PRINT R$;: IF R$ <  > "Y" AND R$ <  > "N" AND
    R$ <  >  CHR$ (13) THEN  GOSUB 300: GOTO 220
240  RETURN
300  REM *** "REJECT INPUT" SUBROUTINE ***
310  REM
320  FOR I = 1 TO 3: CALL  - 198: NEXT
330  RETURN
400  REM *** "PRINT" SUBROUTINE ***
405  REM
410  VTAB 16: HTAB 5: FLASH : PRINT "CATALOG LISTING SENT TO PRINTER": NORMAL

415  POKE 44596,96: REM CANCEL CATALOG PAUSE
420  PRINT D$;"PR# 1": REM OUTPUT TO PRINTER
425  PRINT  CHR$ (9)"75N": REM LINE WIDTH TO 75 CHARACTERS
430  PRINT E$;"E": REM EMPHASIZED MODE ON
435  PRINT E$;"N"; CHR$ (6): REM SKIP PERF TO 6 LINES
440  PRINT C$(N);" DISK NO. ";N$
445  PRINT DA$
450  PRINT D$;"CATALOG,D2"
455  FOR I = 1 TO 2000: NEXT
460  PRINT  CHR$ (12): REM TOP OF FORM
465  PRINT D$;"PR# 0": REM RETURN OUTPUT TO SCREEN
470  VTAB 16: CALL  - 958
475  RETURN
```

```
500  REM *** "DISPLAY HEADINGS" SUBROUTINE ***
505  REM
510  HOME : VTAB 3: HTAB 5: INVERSE : PRINT " *** DISK CATEGORY HEADING
    *** ": NORMAL
515  VTAB 6: INVERSE : PRINT " 1";: NORMAL : HTAB 4: PRINT C$(1);: HTAB
    21: INVERSE : PRINT "11";: NORMAL : HTAB 24: PRINT C$(11)
520  INVERSE : PRINT " 2";: NORMAL : HTAB 4: PRINT C$(2);: HTAB 21: INVERSE
    : PRINT "12";: NORMAL : HTAB 24: PRINT C$(12)
525  INVERSE : PRINT " 3";: NORMAL : HTAB 4: PRINT C$(3);: HTAB 21: INVERSE
    : PRINT "13";: NORMAL : HTAB 24: PRINT C$(13)
530  INVERSE : PRINT " 4";: NORMAL : HTAB 4: PRINT C$(4);: HTAB 21: INVERSE
    : PRINT "14";: NORMAL : HTAB 24: PRINT C$(14)
535  INVERSE : PRINT " 5";: NORMAL : HTAB 4: PRINT C$(5);: HTAB 21: INVERSE
    : PRINT "15";: NORMAL : HTAB 24: PRINT C$(15)
540  INVERSE : PRINT " 6";: NORMAL : HTAB 4: PRINT C$(6);: HTAB 21: INVERSE
    : PRINT "16";: NORMAL : HTAB 24: PRINT C$(16)
545  INVERSE : PRINT " 7";: NORMAL : HTAB 4: PRINT C$(7);: HTAB 21: INVERSE
    : PRINT "17";: NORMAL : HTAB 24: PRINT C$(17)
550  INVERSE : PRINT " 8";: NORMAL : HTAB 4: PRINT C$(8);: HTAB 21: INVERSE
    : PRINT "18";: NORMAL : HTAB 24: PRINT C$(18)
555  INVERSE : PRINT " 9";: NORMAL : HTAB 4: PRINT C$(9);: HTAB 21: INVERSE
    : PRINT "19";: NORMAL : HTAB 24: PRINT C$(19)
560  INVERSE : PRINT "10";: NORMAL : HTAB 4: PRINT C$(10);: HTAB 21: INVERSE
    : PRINT "20";: NORMAL : HTAB 24: PRINT C$(20)
565  RETURN
600  REM *** "SELECT CATEGORY" SUBROUTINE ***
610  REM
620  VTAB 17: CALL  - 958: HTAB 8: INPUT "SELECT CATEGORY NUMBER: ";N$
630  IF N$ = "0" THEN  CALL  - 198: GOSUB 900
640 N =  VAL (N$)
650  IF N < 1 OR N > 20 THEN  VTAB 18: CALL  - 958: GOSUB 300: GOTO 620
660  VTAB 19: HTAB 6: INPUT "ENTER THE NO. OF THE DISK: ";N$
670  RETURN
700  REM *** "ENTER OTHER CATEGORY" SUBROUTINE ***
710  REM
720  VTAB 21: HTAB 4: PRINT "TYPE YOUR OWN CATEGORY NAME HERE:"
730  VTAB 23: HTAB 3: INPUT " ";C$(20)
740  GOSUB 800
750 VP = 23: GOSUB 200
760  IF R$ = "N" THEN  CALL  - 198: POP : GOTO 2120
770  RETURN
800  REM *** "DISK NAME & NO." SUBROUTINE ***
810  REM
820 VP = 21
830  VTAB VP: HTAB 1: CALL  - 958
840  VTAB VP: HTAB (20 - (( LEN (C$(N))) + 10 + ( LEN (N$))) / 2): INVERSE
    : PRINT " ";C$(N);" DISK NO. ";N$;" ": NORMAL
850  RETURN
900  REM *** "END PROGRAM" SUBROUTINE ***
910  REM
920  VTAB 20: HTAB 6: PRINT "PRESS <ESC> TO QUIT PROGRAM. "
930  VTAB 23: HTAB 4: PRINT "PRESS ANY OTHER KEY TO RESELECT. ";: POKE  -
    16368,0: GET R$
940  IF R$ =  CHR$ (27) THEN 960
950  GOTO 2100
960  HOME
970  VTAB 9: HTAB 17: PRINT "GOODBYE!"
980  VTAB 13: HTAB 8: PRINT "TYPE <RUN> TO BEGIN AGAIN."
```

```
990  VTAB 18: END
1000  REM *** "DATE INPUT" SUBROUTINE ***
1010  REM
1020 Y = 87: REM ***** CHANGE TO "Y=88" AT BEGINNING OF 1988 *****
1030  HOME :LY = Y / 4 -  INT (Y / 4)
1040  FOR Z = 1 TO 12: READ MO$(Z): NEXT
1050  FOR Z = 1 TO 20: READ Y%(Z): NEXT
1060  FOR Z = 1 TO 12: READ M%(Z): NEXT
1070  FOR Z = 1 TO 7: READ WD$(Z): NEXT
1080  VTAB 3: HTAB 5: INVERSE : PRINT " ***  CALENDAR DATE ENTRY  *** ":
     NORMAL : VTAB 5: HTAB 2: PRINT "ENTER DATE AS THREE TWO-DIGIT NUMBE
    RS.": VTAB 6: PRINT "--------------------------------------"
1090  VTAB 10: HTAB 15: PRINT "TODAY'S DATE": VTAB 12: HTAB 17: PRINT "M
    O-DA-YR": VTAB 13: HTAB 17: PRINT "--------"
1100  VTAB 14: HTAB 17: CALL  - 958: INVERSE : PRINT "  ";: NORMAL : PRINT
    "-";: INVERSE : PRINT "  ";: NORMAL : PRINT "-";: INVERSE : PRINT Y:
     NORMAL
1110  VTAB 14: HTAB 17: GET MT$(1): PRINT MT$(1);: HTAB 18: GET MT$(2): PRINT
    MT$(2);:MT$ = MT$(1) + MT$(2):MT =  VAL (MT$): IF MT < 1 OR MT > 12 OR
    MT <  > INT (MT) THEN  GOSUB 300: GOTO 1100
1120  IF MT$(2) = " " OR MT$(2) =  CHR$ (13) THEN MT$ = MT$(1)
1130  IF  LEN (MT$) = 1 THEN MT$ = "0" + MT$
1140  VTAB 14: HTAB 17: CALL  - 958: PRINT MT$;"-";: INVERSE : PRINT "
    ";: NORMAL : PRINT "-";: INVERSE : PRINT Y: NORMAL
1150  VTAB 14: HTAB 20: GET DT$(1): PRINT DT$(1);: HTAB 21: GET DT$(2): PRINT
    DT$(2);:DT$ = DT$(1) + DT$(2):DT =  VAL (DT$): IF DT < 1 OR DT > 31 OR
    DT <  > INT (DT) THEN  GOSUB 300: GOTO 1140
1160  IF MT = 2 AND DT > 29 THEN  GOSUB 300: GOTO 1140
1170  IF MT = 2 AND DT > 28 AND LY > 0 THEN  GOSUB 300: GOTO 1140
1180  IF (MT = 4 OR MT = 6 OR MT = 9 OR MT = 11) AND DT > 30 THEN  GOSUB
    300: GOTO 1140
1190  IF DT$(2) = " " OR DT$(2) =  CHR$ (13) THEN DT$ = DT$(1)
1200  IF  LEN (DT$) = 1 THEN DT$ = "0" + DT$
1210 TD$ = MT$ + "-" + DT$ + "-" +  STR$ (Y): VTAB 14: HTAB 17: CALL  -
    958: PRINT TD$: IF LY = 0 AND MT > 2 THEN M%(MT) = M%(MT) + 1
1220 X = Y - 79:T% = Y%(X) + M%(MT) + DT + 2:WC = (T% / 7) -  INT (T% /
    7):WC =  INT ((WC * 7) + .5): IF WC = 0 THEN WC = 7
1230  VTAB 18: HTAB 17: PRINT "TODAY IS:"
1240  VTAB 20: HTAB 8: INVERSE : PRINT " ";WD$(WC);", ";MO$(MT);" ";DT;"
    ,";" 19";Y;" ": NORMAL
1250 VP = 23: GOSUB 200: IF R$ = "N" THEN  CALL  - 198: GOTO 1100
1260 DA$ = MO$(MT) + " " +  STR$ (DT) + "," + " 19" +  STR$ (Y)
1270 Z =  FRE (0)
1280  RETURN
2000  REM *** MAIN PROGRAM ***
2010  REM
2020  TEXT : HOME
2030  DIM C$(20),MO$(12),Y%(20),M%(12)
2040 D$ =  CHR$ (4):E$ =  CHR$ (27)
2050  RESTORE
2060  HTAB 6: PRINT "*** PRINT CATALOG PROGRAM ***"
2070  POKE 34,2
2080  GOSUB 1000: REM DATE INPUT
2090  FOR I = 1 TO 20: READ C$(I): NEXT
2100 C$(20) = "(TYPE YOUR OWN)"
2110  GOSUB 500: REM DISPLAY HEADINGS
2120  GOSUB 600: REM SELECT CATEGORY
```

```
2130  IF N = 20 THEN  GOSUB 700: GOTO 2170
2140  GOSUB 800: REM DISPLAY SELECTION
2150 VP = 23: GOSUB 200: REM CORRECT?
2160  IF R$ = "N" THEN  CALL  - 198: GOTO 2120
2170  HOME
2180  VTAB 5: PRINT "YOUR CATALOG LISTING WILL BE ENTITLED: "
2190 VP = 8: GOSUB 840
2200  VTAB 17: CALL  - 958: PRINT "1. INSERT SELECTED DISK INTO DRIVE NO
    .2."
2210  VTAB 19: PRINT "2. ENSURE YOUR PRINTER IS ON AND READY."
2220  VTAB 21: PRINT "3. PRESS <ESC> TO ABORT PRINTING. "
2230  VTAB 23: PRINT "4. PRESS ANY OTHER KEY TO PRINT. ";: POKE  - 16368
    ,0: GET R$
2240  IF R$ =  CHR$ (27) THEN  CALL  - 198: HOME : GOTO 900
2250  VTAB 10: CALL  - 958
2260  GOSUB 400: REM PRINT CATALOG
2270  VTAB 15: PRINT "  YOUR DISK CATALOG HAS BEEN PRINTED."
2280  GOSUB 900: REM RESELECT OR QUIT
3000  DATA JANUARY,FEBRUARY,MARCH,APRIL,MAY,JUNE,JULY,AUGUST,SEPTEMBER,O
    CTOBER,NOVEMBER,DECEMBER
3010  DATA 0,366,731,1096,1461,1827,2192,2557,2922,3288,3653,4018,4383,4
    749,5114,5479,5844,6210,6575,6940
3020  DATA 0,31,59,90,120,151,181,212,243,273,304,334
3030  DATA SUNDAY,MONDAY,TUESDAY,WEDNESDAY,THURSDAY,FRIDAY,SATURDAY
4000  REM THE FOLLOWING 20 CATEGORIES MAY BE CHANGED TO SUIT THE USER EX
    CEPT FOR THE LAST ONE (TYPE YOUR OWN)
4010  DATA APPLE PI DOM,BACK-UP PROGRAM,BASIC PROGRAMS,EDUCATION,GAMES
4020  DATA GRAPHICS,MAGICALC,MAGIC WINDOW,MAGIC WINDOW II,ORIGINAL PROGR
    AM
4030  DATA PASCAL,SOUND,SPELLBINDER,UTILITIES,VERSA-INVENTORY
4040  DATA VERSA-LEDGER II,VISICALC,VISIFILE,WORK,(TYPE YOUR OWN)
```

For Sale:

Gibson Light Pen. Lets you draw right on the screen with a fiber optic light pen. Plugs into slot 7 (sorry //c's). Store price was over $300.00 .

Asking $ 99.00

Corvus Hard Drives. 10M each (2) . Need some software and some work. Store price was over $3,500.00.

Asking $ 250.00

SCRG QuickLoader. ROM Cards that put your favorite programs in ROM and call them up with the speed of lightning. Retail price $ 179.95.

Asking $ 99.00

Microsoft Softcard. Run CPM with this Z80 card. All Doc.s, disks, and the card. Retail over $ 300.00.

Asking $99.00

Microsoft Applesoft Compiler. Top of the line in Applesoft compilers lets you use 48k through 128k Apples. Retail $150.00.

Asking $ 75.00

Microsoft A.L.D.S. Assembly Lang. system that lets you program in Assem. in Z80, 8080, and 6502 all on your Apple computer. Retail $225.00.

Asking $ 99.00

New and used programs. Priced right. Call 451-6116 or come to May meetings. Ask for Randy.

Reprinted from "mini'app'les" August 1986

The AppleWorks Advisor

A Column For Users Of AppleWorks

by Dick Marchiafava

Beagle Bros MacroWorks A Hit

I have had several weeks to play with and learn about MacroWorks, the program from Beagle Bros which will let you install and create macro commands in AppleWorks. It's a winner!

There are things which AppleWorks does not do well. The built-in macro command set which comes ready to install deals with some of these things. Many of the new macro commands just "jump" the program to the function desired without the need to "step-through" menus and keystrokes. In addition, MacroWorks can to let one write and store "custom Macros" which allows tailoring the operation of AppleWorks to the needs of the user.

The MacroWorks program I received is version 2.1. This version is much improved over the earlier release. I saw a version 2.0 which an AppleWorks user I know received while I was waiting for my order. The program disks are similar, but the manual I received was "cleaner" than the "interim" copy he has. His manual included several updates to be written into it. Even then it was messy and did not read well, still containing ambiguous or outdated information. The MacroWorks programs being shipped now should have the updated manual with them.

I have modified some of the Beagle macros, and written a few of my own. This process is fairly easy. The built-in macro set can be loaded into Apple-Works' word processor, where you can examine how the macros are constructed and continue the voyage of discovery which seems to be a part of using Beagle Bros software. There are commands in the list and after the end of the built-in list which are not shown elsewhere.

Many of the macros which we will write will be specific to our own needs. However, some will be of wider usefulness. I include two that I wrote here.

If you ever have the need to re-format text which has been transferred by modem or from some other word processor, you may find there is a carriage return at the end of each line when you Zoom in. AppleWorks considers any line ending in a carriage return to be a paragraph and you cannot extend or shorten these lines, unless these returns are removed.

I removed the macro used for the ⌘-R and replaced it with the following:

R:<right><sa-left><down><left><del><down>| Remove Carriage Return

To use this macro, place the cursor anywhere on a line which has an unwanted carriage return. Press the ⌘-R and it will move to the end of the line, delete the carriage return, insert a space and move down 1 line. It will be necessary to step down manually for lines which do not have a return and at the end of paragraphs. This is useful for Gluing short lines.

That macro command is for the word processor. The next one is for the spreadsheet.

<Ctrl-S>:<oa-L>C<rtn>C| Set (or change) column width, use ⍁ ← → to change.

I am interested in hearing about and sharing any macros you have written which are of general interest.

First Look: Fingertips

Fingertips Desktop Accessories version 1.4 from Synergistic Software, the second Apple Desktop package (after Pinpoint), is now in my hot hands.

Fingertips will run alone, or with DOS 3.3 and ProDOS software packages. It works on any Apple II, // computer. Memory levels of 48, 64 or 128K will affect exactly how Fingertips operates. Expanded memory of the AE, Checkmate, Apple variety are (or may be) supported. In comparison, Pinpoint can run alone (somewhat), with AppleWorks or BusinessWorks.

I had Fingertips up and running in the Background of a DOS 3.3 package, Magic Office System, in minutes. The second 64K of memory is not used by MOS, so Fingertips operates from there.

I liked what I saw in this look-see into the Fingertips accessories. But, everything was not wonderful. The concept and design of Fingertips is good, operation will need some fine tuning. I like the ability to be able to position the Fingertips window on the document it is opened in. It can be set so that the window does not cover information which needs to be seen.

Since the instructions did not include an installation procedure for my Checkmate memory expansion board, I could not install Fingertips on my AppleWorks disk. I tried it only as a stand alone in the ProDOS version. In this mode it operated just the same as the first test, the DOS 3.3 Background mode.

Except for minor bugs (which are under repair) the Desktop Accessories looked good and worked fairly well. The problem I found most significant is the limited (at this time) hardware support. Although my C.Itoh printer is enough like Apple dot matrix printers that it can use Apple printer drivers, it would only print from the Notepad.

Supported Hardware Unknown

The problems here are the same ones which Pinpoint had upon early release; ie, program bugs and limited hardware support. Like Pinpoint, Fingertips does not expose the prospective user to a list of supported hardware before the purchase is made. Maybe this information could be put in the advertising, beside the list of wonderful features which causes us to buy these marvels.

I called Synergistic Software to talk about the problems I found, and was informed that the bugs and hardware limitations are under repair or in work. If so, this package could shine.

Memory Usage Conflicts Serious For Add-Ons

Add-on software packages such as Fingertips, Pinpoint, AutoWorks and MacroWorks are coming into conflict. They all try to use the same areas of memory in the Apple. This means that a user must choose between a desktop accessory or macros.

If software publishers would realize that 48K to 128K of memory is no longer the range of available memory and write their software to take advantage of the huge amounts of memory which are in use or available, these conflicts could be eliminated. I have 1 Meg of memory in my Apple //e computer and could expand that to 1-3/4 Meg overnight. This is hardware that is

available now and does not use 1 or 2 Meg memory chips which seem to exist only in ads now. This memory is being bought and used everyday.

As software buyers, we become impatient waiting for that package that "will be here one day real soon now" only to realize that the software was "released before its time." Like Pinpoint, the first Apple desktop accessory, Fingertips also was "released before its time." I hope it gets over its premature introduction. I'll let you know.

Is there a market niche for Fingertips? Pinpoint has had a running start on this market, and is expanding to become a family of products. Getting past the early problems soon, and having a broader application scope, may help Synergistic Software with this marketing question.

AutoWorks

Mail Merge, Macros, New AppleWorks Commands, Mouse Control, File Organizing

Well, that is an impressive list of program capabilities being claimed for AutoWorks (AUTOmatic AppleWORKS) from The Software Touch. The ability to do automatic mail merge on-line in AppleWorks and have macros too convinced me. I have purchased AutoWorks.

Personally, I have never been inclined toward using rodents for anything (except for having owned a pet rabbit, which I did not attempt to use as a computer accessory). I find mice, which calls for removing a hand from a keyboard, an undesirable break from keyboarding. Mice were introduced to remove the terror of keyboards from the minds of upper and middle management types who never learned how to type.

Typing is a skill which all literate persons should learn. I know, you don't know how and you are over (35?) years old. I learned to touch type later in life than that, and it does not hurt a lot. Hardly more than playing football in the back yard with your teen-age children.

Removing a hand from the keyboard to make an entry via mouse, and then returning to the keyboard is creates an awkard break. (Ah ha! It is a trick to get them typing!) However, mice do have their uses! As graphics input and control devices, and for cursor control in large spreadsheets or databases.

If AutoWorks can add this capability to what is essentially a business applications workstation, it could make it possible to zip around those large files. More about AutoWorks after I have tried it.

New AppleWorks?

The trade press has some rumblings about a new release of AppleWorks. Availability to possibly coincide with the release of a 16 bit Apple //(x).

Also heard about the new version of AppleWorks is the rumor that Rupert Lissner and Apple may not be in agreement about releasing it. Speculation abounds about the possible release of this new AppleWorks by another software publisher, perhaps MicroSoft.

Send your AppleWorks questions and tips to me at 7099 Hickory Drive N.E, Fridley, MN 55432 or call me at 612-572-9305. Dick

BBS PHONE NUMBER

422 - 3716

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The new Mac // will be out this month!!!

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